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1 Audio watermark attacks: from single to profile attacks
   Andreas Lang, Jana Dittmann, Ryan Spring, Claus Vielhauer
   August 2005 MM&Sec '05: Proceedings of the 7th workshop on Multimedia
   Publisher: ACM
   Full text available: 🔲 Pdf (224.98 KB) Additional Information: full citation, abstract, referen
                                                                  terms

   Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 86, Citation

   A wide range of watermarking evaluation approaches and especially ima
   suites have been described in the literature. Our paper sets the main fo
   evaluation of digital audio watermarking with StirMark Benchmark for A

   Keywords: attack, audio, digital watermarking, smba, stirmark

2 Informed detection of audio watermark for resolving playback speed
   Sylvain Beauget, Michiel van der Veen, Aweke Lemma
   September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multim
   Publisher: ACM
   Full text available: 🔲 Pdf (388.24 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 42, Citation [...]

   In this paper, we present a method for informed watermark detection in
   this context, informed detection refers to the mechanism in which the o
   signal is used to improve robustness and/or complexity. Here, we focus

   Keywords: audio, fingerprinting, informed detector, music distribution,

3 Nearly Lossless Audio Watermark Embedding Techniques to be Ext[...]
   Contactlessly by Cell Phone
   Toshio Modegi
   May 2006 MDM '06: Proceedings of the 7th International Conference
            Management (MDM'06) - Volume 00 , Volume 00
   Publisher: IEEE Computer Society
   Full text available: 🔲 Publisher Site Additional Information: full citation, abstract, index [...]

   Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

We have proposed a novel audio watermarking technique, which embeds
bitstream data by changing two-channel stereo locations of lower freque
in an embedding target audio signal. This method features nearly lossle
robustness ...

4 Statistical audio watermarking algorithm based on perceptual analys
   Xiaomei Quan, Hongbin Zhang
   November 2005 DRM '05: Proceedings of the 5th ACM workshop on Digital
                            management
   Publisher: ACM
   Full text available: Pdf (261.76 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 71,   Citation

   In this paper, we describe a novel statistical audio watermarking schem
   control of the masking thresholds, watermark is embedded adaptively a
   in the perceptual significant portions in wavelet packet domain by a sta

   Keywords: audio watermarking, psychoacoustic model, wavelet packet

5 Improved watermark detection for spread-spectrum based watermar
   independent component analysis
   Hafiz Malik, Ashfaq Khokhar, Rashid Ansari
   November 2005 DRM '05: Proceedings of the 5th ACM workshop on Digital
                            management
   Publisher: ACM
   Full text available: Pdf (434.70 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 93,   Citation (

   This paper presents an efficient blind watermark detection/decoding sch
   spectrum (SS) based watermarking, exploiting the fact that in SS-based
   schemes the embedded watermark and the host signal are mutually ind
   obey ...

   Keywords: blind source separation, correlation, detection, independent
   analysis, spread spectrum, watermarking

6 Digital watermarking security considerations
   Rade Petrovic, Babak Tehranchi, Joseph M. Winograd
   September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multime
   Publisher: ACM
   Full text available: Pdf (253.62 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 160,   Citatio

   In this paper, we review our past experience with security of copy contr
   watermarks, particularly related to SDMI. We also classify and analyze a
   in literature and propose a number of security enhancement techniques
   control ...

   Keywords: SDMI, copy control, digital rights management, digital wate

watermark attacks

7 Estimation of recording location using audio watermarking
   Yuta Nakashima, Ryuki Tachibana, Masafumi Nishimura, Noboru Babaguchi
   September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multimed
   Publisher: ACM
   Full text available: Pdf (209.98 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 41, Citation (

   In this paper, we propose a novel application of audio watermarking, es
   recording location. The purpose of the paper is to determine the seat loc
   at which a bootleg recording was made by using a digital video camera.

   Keywords: bootleg, digital audio watermarking, estimation, recording l

8 PlataJanus: an audio annotation watermarking framework
   Jana Dittmann, Martin Steinebach
   October 2001 MM&Sec '01: Proceedings of the 2001 workshop on Multimed
                new challenges
   Publisher: ACM
   Full text available: Pdf (545.27 KB) Additional Information: full citation, abstract, referer

   Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 22, Citation (

   The focus of audio watermarking research in recent years have been co
   and copy control mechanisms. Therefore the robustness and security of
   watermarks have been the most frequently discussed parameters. Tran
   and ...

   Keywords: annotation, audio watermarking, business models, framewo

9 Digital audio watermarking based-on multiple-bit hopping and humar
   system
   Changsheng Xu, Yongwei Zhu, David Dagan Feng
   October 2001 MULTIMEDIA '01: Proceedings of the ninth ACM internationa
                Multimedia
   Publisher: ACM
   Full text available: Pdf (613.16 KB) Additional Information: full citation, abstract, referer
                                                                         terms

   Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 58, Citation (

   A novel content-adaptive audio watermarking technique is proposed. To
   balance in-audibility and robustness when embedding and extracting wa
   embedding scheme is high related to audio content by making use of th
   human ...

   Keywords: audio, digital watermarking, human auditory system

10 A novel watermarking method based on Fibonacci numbers
   Jiancheng Zou, Dongxu Qi, Rabab K. Ward

June 2006 VRCI A '06: Proceedings of the 2006 ACM international conferen
          reality continuum and its applications
Publisher: ACM

Full text available: Pdf (125.56 KB)   Additional Information: full citation, abstract, referer

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 40,   Citation (

A digital image scrambling method based on the Fibonacci numbers is p
J. et al. 2004]. A novel audio watermarking method based on Fibonacci
in this paper. The experiment results show that the algorithm has bette

Keywords: fibonacci numbers, watermarking

11 Why watermark?: the copyright need for an engineering solution
   Michael Seadle, J. R. Deller, Jr., Aparna Gurijala
   July 2002 JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference
             libraries
   Publisher: ACM

   Full text available: Pdf (142.88 KB)   Additional Information: full citation, abstract, referer

   Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 35,   Citation (

   An important research component in the creation of the National Gallery
   Word (NGSW) is the development of watermarking technologies for the
   this paper we argue that audio watermarking is a particularly desirable

   Keywords: DMCA, copyright, watermarking

12 Wavelet-based blind watermarking of 3D models
   F. Uccheddu, M. Corsini, M. Barni
   September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multir
   Publisher: ACM

   Full text available: Pdf (462.47 KB)   Additional Information: full citation, abstract, referer

   Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 147,   Citation

   Watermarking of 3D meshes has received a limited attention due to the
   encountered in extending the algorithms developed for 1D (audio) and :
   video) signals to topological complex objects such as meshes. Other dif

   Keywords: 3D watermarking, 3D wavelets, blind detection, copyright p
   watermarking

13 Light weight MP3 watermarking method for mobile terminals
   Koichi Takagi, Shigeyuki Sakazawa
   November 2005 MULTIMEDIA '05: Proceedings of the 13th annual ACM inf
             conference on Multimedia
   Publisher: ACM

   Full text available: Pdf (117.39 KB)   Additional Information: full citation, abstract, referer

   Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 53,   Citation (

This paper proposes an MP3 watermarking method that is applicable to
with limited computational resources. Considering that the embedded ir
copyright information and metadata, which should be extracted before p

Keywords: MP3, mobile terminal, scalefactor, watermarking

14 Proxy-based task partitioning of watermarking algorithms for reducin
   consumption in mobile devices
   Arun Kejariwal, Sumit Gupta, Alexandru Nicolau, Nikil Dutt, Rajesh Gupta
   June 2004 DAC '04: Proceedings of the 41st annual conference on Design a
   Publisher: ACM
   Full text available: Pdf (494.20 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 69, Citation C

   Digital watermarking is a process that embeds an imperceptible signatu
   in a digital file containing audio, image, text or video data. The watermä
   authenticate the data file and for tamper detection. It is particularly ...

   Keywords: handhelds, partitioning, proxy, watermarking

15 Robust DWT-SVD domain image watermarking: embedding data in a
   Emir Ganic, Ahmet M. Eskicioglu
   September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multin
   Publisher: ACM
   Full text available: Pdf (4.84 MB) Additional Information: full citation, abstract, referen
                                                                  terms

   Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 185, Citatio

   Protection of digital multimedia content has become an increasingly imp
   content owners and service providers. As watermarking is identified as a
   technology to achieve copyright protection, the relevant literature includ

   Keywords: copyright protection, discrete wavelet transform, image wa
   multimedia, singular value decomposition, visual watermark

16 A multiple watermarking algorithm based on CDMA technique
   Fuhao Zou, Zhengding Lu, Hefei Ling
   October 2004 MULTIMEDIA '04: Proceedings of the 12th annual ACM inter
              conference on Multimedia
   Publisher: ACM
   Full text available: Pdf (235.47 KB) Additional Information: full citation, abstract, referen

   Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 53, Citation C

   This paper proposes a multiple watermarking algorithm based on code c
   access (CDMA) technique. Before the watermark embedded, each user
   key as a seed to generate an address code which is subjected to pseudo

   Keywords: address code, code division multiple access, correlation coe

watermarking

17 An improving model watermarking with iris biometric code
George Varbanov, Peter Blagoev
June 2007 CompSysTech '07: Proceedings of the 2007 international confe
      Computer systems and technologies
Publisher: ACM

Full text available: Pdf (565.54 KB)   Additional Information: full citation, abstract, referen

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 109,   Citation

The Paper justifies need to work with new technology for perfect safety
the human deal (the business). The Problem same important with new t
internet, all multimedia author's system, video watch of the system, au

Keywords: biometric system, biometric watermark, iris code, video-wa
watermark with discrete wavelet transformation I

18 Extraction in software watermarking
William Zhu, Clark Thomborson
September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multime
Publisher: ACM

Full text available: Pdf (164.79 KB)   Additional Information: full citation, abstract, referen
                                    terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 100,   Citation

The widespread use of the Internet makes software piracy and unautho
easier and more frequent. Among the many techniques developed for p
copyrights is software watermarking which embeds secret messages int

Keywords: embed, extract, graph, interference graph, security, softwa

19 Robust content-based MPEG-4 XMT scene structure authentication
content location
Ziad Sakr, Nicolas D. Georganas
August 2007 Transactions on Multimedia Computing, Communications
      Applications (TOMCCAP) , Volume 3 Issue 3
Publisher: ACM

Full text available: Pdf (594.67 KB)   Additional Information: full citation, abstract, referen

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 116,   Citation

For the past decade, there have been numerous research works focusin
protection of digital images, audio, video, 3D virtual scenes, and softwa
unauthorized use and distribution. With the emerging technology of the
standard, …

Keywords: MPEG-4, Multimedia, VRML, XML, XMT, polynomial, pseudo
sequences, steganography, watermarking

20 HOTPAPER: multimedia interaction with paper using mobile phones

Berna Erol, Emilio Antúnez, Jonathan J. Hull
October 2008 MM '08: Proceeding of the 16th ACM international conference
Publisher: ACM
Full text available: Pdf (2.23 MB)   Additional Information: full citation, abstract, referen

Bibliometrics: Downloads (6 Weeks): 36, Downloads (12 Months): 70, Citation

The popularity of camera phones enables many exciting multimedia app
paper, we present a novel technology and several applications that allov
with paper documents, books, and magazines. This interaction is in the

Keywords: linking paper to electronic data, markerless linking, mobile
interaction

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